

ElitePro™

CD-R/DVD-R Publishing and Printing System

Instruction Guide



ElitePro1



ElitePro2



ElitePro3



ElitePro4

Welcome

Congratulations on the purchase of your Disc Makers Elite duplication system. This sturdy unit has been professionally designed and manufactured under strict quality guidelines to provide you with years of dependable and trouble-free operation. This instruction guide is designed to allow the user immediate operation of the ElitePro system. For advanced operation instructions, please refer to the DiscJuggler manual.

Technical support

Disc Makers backs your duplicator purchase with free lifetime technical support. Tech support hours are from 9:00 a.m. to 6:00 p.m. EST Monday through Friday at **1-888-800-4041**. Or you can email our tech support team at techsupport@discmakers.com. For FAQs, downloadable manuals, product updates, and warranty registration, go to www.discmakers.com/support.

Warranty

Disc Makers warrants to the original purchaser that the duplication equipment you have purchased is free from defects in materials and workmanship for a period of one year (three years on robotics). This warranty is applicable when the warranty registration has been completed and returned to Disc Makers within a reasonable period of time following the purchase. This warranty is not transferable.

Warranty does not apply to malfunctions caused by misuse, negligence, accident, or alteration. Disc Makers is not responsible for or liable for consequential damages related to the use or misuse of this equipment. Disc Makers' liability under this warranty extends solely to the obligation to repair or replace a covered product. Disc Makers' liability under this warranty shall not exceed the cost of the covered product.

Warranty Repair

Any item that needs to be returned for a warranty repair must be returned in original packaging. You must call Disc Makers for a return authorization number (RMA) before returning any product. In the event that the original packaging has been discarded, you can purchase replacement packaging from Disc Makers. The sender will be responsible for any damage incurred if product is not returned in original or replacement packaging. To obtain replacement packaging, call Disc Makers technical support at **1-888-800-4041** with the model of your duplicator.

Piracy

The copying of audio, video, or software without the permission of the copyright holder is illegal. Disc Makers accepts no responsibility for the copyright use or misuse of this equipment. It is the sole responsibility of the user to ensure that the legal rights of the copyright owners are respected.

Need blank media or supplies?

Disc Makers offers a range of top-quality blank CD-Rs and DVD-Rs at unbeatable prices, including our own Disc Makers Premium brand. We also have an extensive line of packaging and mailing supplies, as well as inkjet cartridges and other peripherals for your duplication and printing system. For the latest products and lowest prices, shop securely online at www.discmarket.com, or call **1-888-800-4041**.



Custom printing on blank CD-Rs and DVD-Rs -- in just 5 days!

Disc Makers gives you the same high-quality silk screen technology on your blank media that we use on our professionally replicated discs. Call **1-888-800-4041**, or go to www.discmakers.com/CDR105 for details and pricing.

Have a CD or DVD project that's too big for duplication?

With our state-of-the-art replication and printing facilities, no order is too small or too large. Our turnkey packages make shopping for the right CD-ROM or DVD package a snap. We offer hard-to-find packaging options in small or large quantities, or we'll create a custom package to fit your needs. And fast turn times are our specialty. Many of our complete CD-ROM packages are ready in just 7 working days! No one does it faster. Call your Disc Makers product specialist at **1-800-CD-ROM-NOW**, or go to www.discmakers.com/rom for complete information and package pricing.



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elite series™
DISC MAKERS®

Description

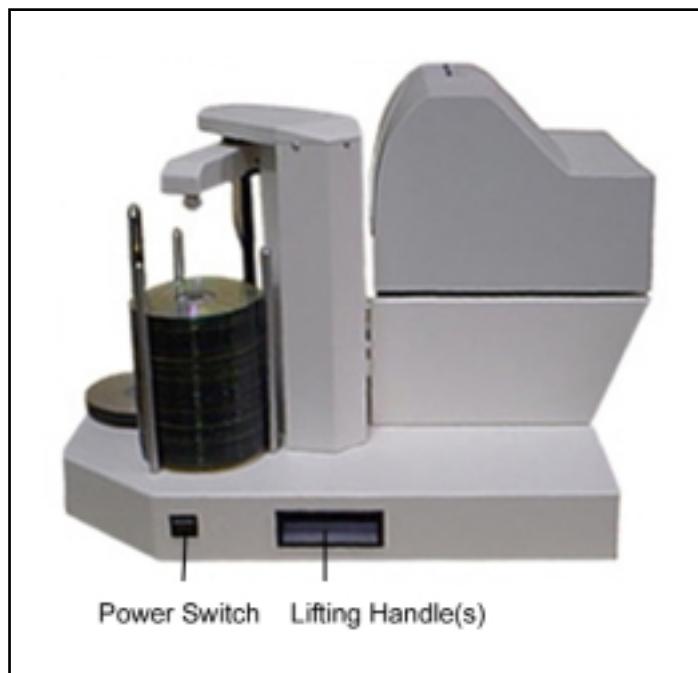
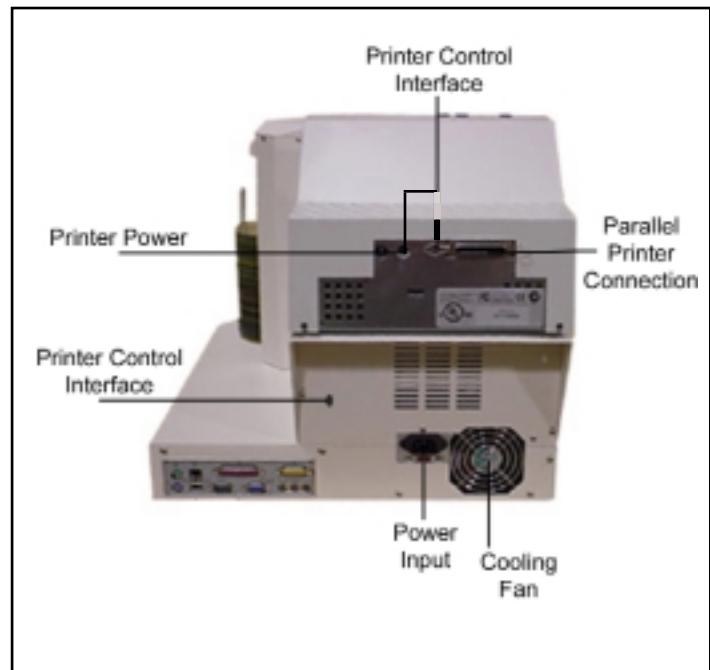
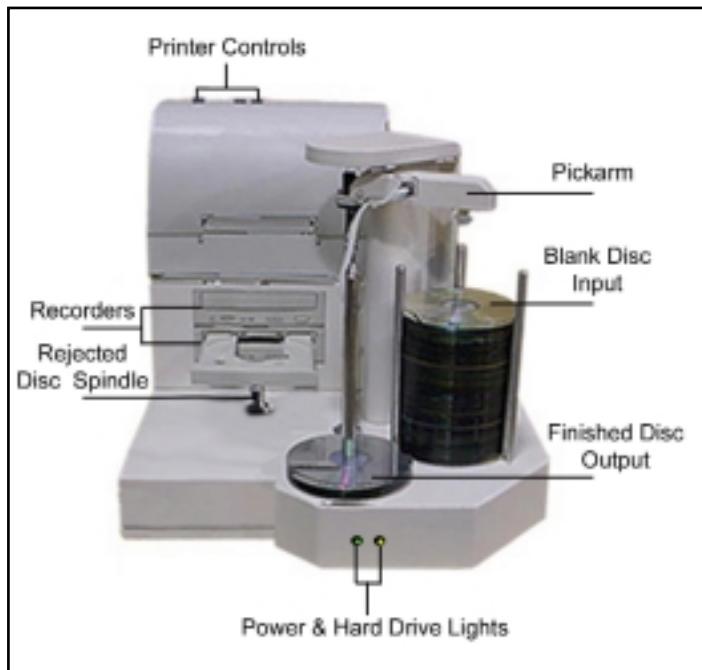
The ElitePro is a one, two, three, or four writer desktop CD-R or DVD-R/CD-R duplication and printing solution in a single footprint.

The ElitePro comes standard with an Intel® based internal PC preloaded with Microsoft® Windows® XP. The unit can be connected to your Ethernet network right out of the box allowing access to files and premastered images.

The ElitePro comes standard with Padus® award-winning DiscJuggler® recording software, providing a smooth duplication process. The DiscJuggler software is preloaded within the ElitePro autoloader software, providing a seamless, reliable solution. The DiscJuggler.NET software is available as an option to allow users on a network to submit CD duplication jobs from their desktop. Call your Disc Makers duplicator specialist at 1-888-800-4046 for details and pricing.

Hardware Configuration

Before starting the installation process, please review the ElitePro hardware and functions below:



Step 1 Unpacking the Hardware

Your system was shipped in three separate boxes. The larger box contains the ElitePro unit, keyboard, mouse, and cables. The remaining two boxes contain the monitor and Disc Makers Autograph on-disc inkjet printer. Please inspect the contents and verify them against your packing slip. Be sure to report any errors in shipping immediately.

Select a suitable location for your ElitePro. It should be level, clean, and free from excessive vibration. Carefully open the largest box and remove the top protection cardboard sheet. You will then be able to remove the following:

- CD pick arm
- Keyboard
- Mouse
- Printer control cable
- AC power cord
- Software and manual

Next, by lifting straight upward, carefully remove the foam container and foam protection over the ElitePro unit. You will see the ElitePro in a plastic bag. The ElitePro has lifting handles on either side. Locate the lifting handles (*see page 6*) and remove the ElitePro from the box. Take the ElitePro out of the plastic bag and place all shipping components back into the shipping carton.

Important: Please retain the original box and packaging in the event the unit requires future servicing or you need to move the unit from one location to another. This will help to reduce the possibility of damage occurring in transit.

Any item that needs to be returned for a warranty repair must be returned in the original packaging. (*See page 2.*)

Remove the monitor and the printer from their shipping cartons. Proceed to installation of the CD Pick arm.



Large box opened with parts located in top section.



Remove foam sections to access the ElitePro unit.

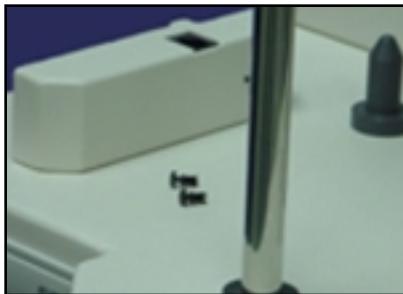


Locate the lifting handles (*see page 6*) on the ElitePro unit and lift out.

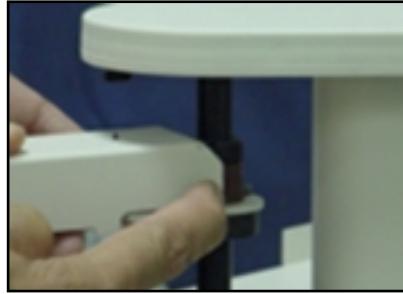
Step 2 Installation of the CD Pick Arm

The CD pick arm needs to be installed onto the robotic lift ring.

- Remove the pick arm from its bubble wrap packaging. Included with the pick arm will be a bag containing two small black plastic rivets. These are used to hold the pick arm in place. Each rivet is two pieces, an outer sleeve and an expander pin that presses through the center of the sleeve. Remove the expander pin from each rivet.
- Align the two holes on either side of the pick arm with the holes on the CD lift mechanism. Hold the pick arm with one hand and insert a rivet sleeve into each side. Press the expander pin through the center of each sleeve.
- Plug the RJ12 telephone type connector into the pick arm. Give a slight tug on this cable to make sure it's locked into place. ***Once the pick arm is in place it CANNOT be manually moved left/right or up/down.***
- To remove the pick arm, unplug the cable connector, remove the expander pin from each plastic rivet, and the sleeve will slide out easily from the pick arm.
- Please note: the Pick arm must be removed from the robotics lifter ring before repackaging and placing the foam protection over the unit.



1. Locate pick arm and retainers.



2. Press in the black plastic retainers.



3. Hold pick arm in place and connect RJ12 connector.



4. The pick arm after installation.

Step 3

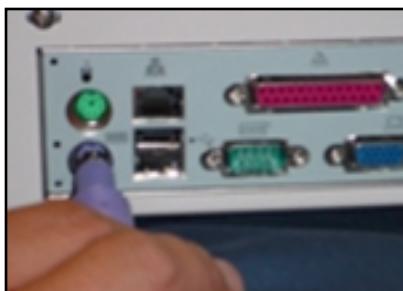
Installation and Connection of AC Power, Monitor, Keyboard, and Mouse.

- Plug the monitor, keyboard, and mouse into each of their color-coded connections located on the rear of the ElitePro unit. These connections are identical to the common connections of standard computers.
- Arrange the monitor, keyboard, and mouse to the right side of the ElitePro unit to allow easy access.
- Plug the AC power cord into the monitor and into a standard 115VAC outlet.
- Plug the power cord into the power supply of the ElitePro, also located on the rear side. Plug into a standard 115VAC outlet.

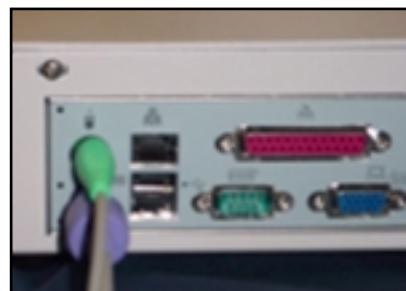
We recommend that you plug these components into a common plug strip with surge protection AC filtering. We also strongly recommend that you use a UPS to protect your system in the event of power outages.



Rear view of connections.



Keyboard connection.



Mouse connection.



Monitor connection.



AC power connection.

Step 4 Installation of the Autograph On-disc Printer

Review the Autograph printer manual, which was included in the box with your printer. Install the print cartridge (also included in the box with your printer) according to the instructions in the printer manual before mounting your printer on the Elite duplicator. *Note:* You can order additional inkjet cartridges online at www.discmarket.com, or call your product specialist at **1-888-800-4041**.

The ElitePro is preset for the Autograph printer, and all operating label software and drivers have been installed on the system.

Place the Autograph printer into the printer holding tray located at the top of the ElitePro system above the drives. Holding the printer with hands on the left and right side, insert the front of the printer at an angle first, then lower the back section gently down in place. The printer should be securely inserted into the printer holding tray and should be completely level.

Plug in the parallel printer cable provided with the ElitePro into the rear of the printer and into the ElitePro connector on the rear of the system.

Plug in the printer mini din control cable (*this is similar to a keyboard cable and has connectors on both ends*) into matching connectors in the rear of the printer and the rear of the ElitePro.

Place the AC power adapter that was provided with the printer next to the rear of the printer and plug into a standard 115VAC outlet.

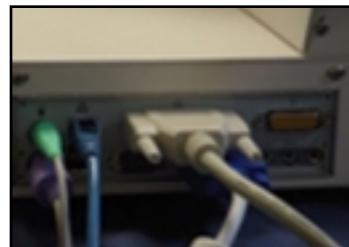
When you plug in the printer, power is applied. The printer will perform a basic internal test and then wait for additional commands from the operator of the software.



Install printer by allowing front section to rest in place, then lower the rear section into the tray.



Connect the printer control cable and parallel cable to the printer.



Connect the printer parallel cable to the ElitePro.



Connect the printer control cable to the ElitePro.

Step 5 Network Connection

You may connect a standard network connection to the rear of the ElitePro. You will need to configure the Windows XP software for the network name. Once the ElitePro boots up, make the necessary setup changes for the network. See your system administrator for more details.

This connection is useful to allow FOLDER and DRIVE access over a standard network. You can access large files on hard drives on network computers.

Step 6

Turn the System On and Boot Up

With all the cables in place and power connected, turn on the power button on the right of the ElitePro. The system will boot up and you will see program icons on the desktop.

From the bottom to the top:

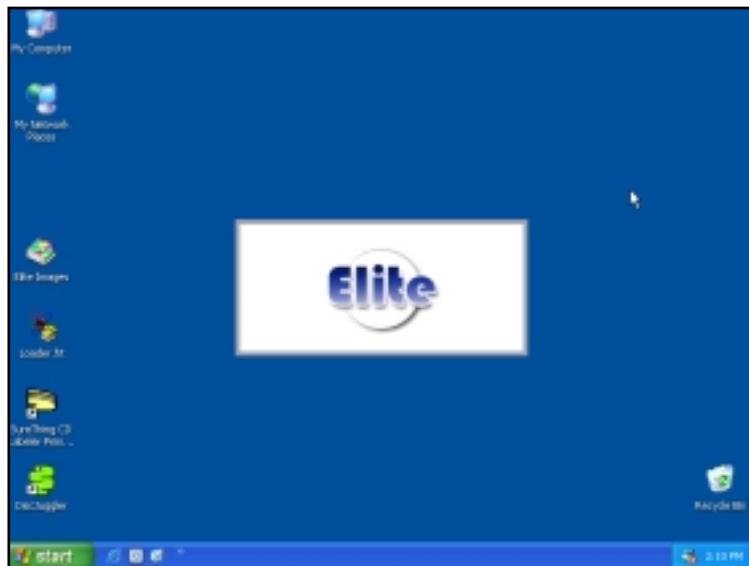
Elite/DiscJuggler This icon starts the duplication software and autoloader.

Discus LE This icon starts the Discus labeling software for the printer. You will have to make a label with this software and then print to a file. The *.prn file will be utilized in the DiscJuggler software to print on the label of the disc.

Elite Debug This icon starts a terminal program to allow serial connection to the Elite controller. This allows firmware upgrade and debug of loader functions.

Elite Images This is a default desktop folder that is used to store images processed by the DiscJuggler software.

Shortcut to My Computer This is a standard Windows icon and can be used to access and service the embedded computer. The environment for the ElitePro is Windows XP based. All standard functions of XP are available.

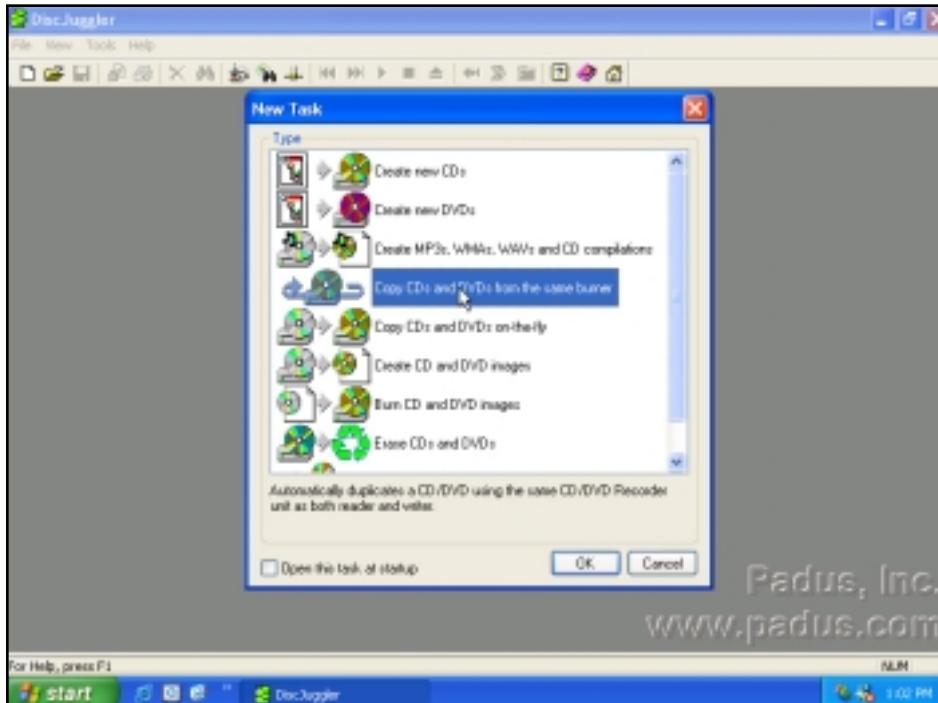


Main Startup Screen

Step 7 Start the Duplication Process

You are now ready to begin a CD-R or DVD-R (if your ElitePro is a DVD-R version) duplication job or task on the ElitePro. The next steps will take you through a typical setup and usage of the ElitePro. We recommend that you follow these steps and produce a test job, then move on to the many other functions and features of the ElitePro.

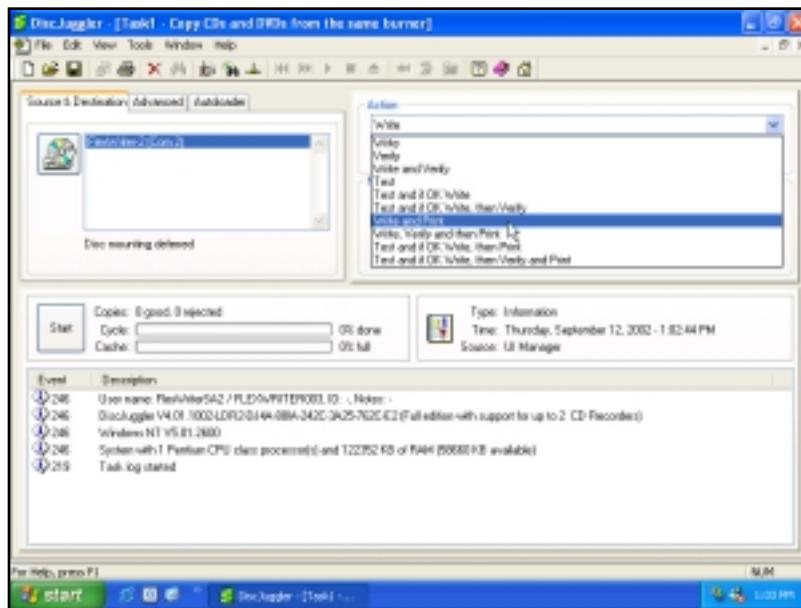
- Load blank inkjet printable CD-Rs or DVD-Rs onto the input spindle. The input spindle has three silver rods located around the outside edge of the discs. Make sure the media lays flat in the input spindle and they do not stick together.
- Place a CD or DVD-R to be copied on the top of the input spindle. This will be the "master" for this test run. We recommend that you use a CD with an image of 30MB or less to allow for a faster test run.
- On the desktop, click on the **Elite/DiscJuggler** icon. The DiscJuggler program will open.
- Click on **File / New** and the panel pictured below will open.
- Choose **Copy CDs and DVDs from the same burner**. This task will take the CD on the top of the input stack, load a temp image to the hard drive, and copy from the temp image.



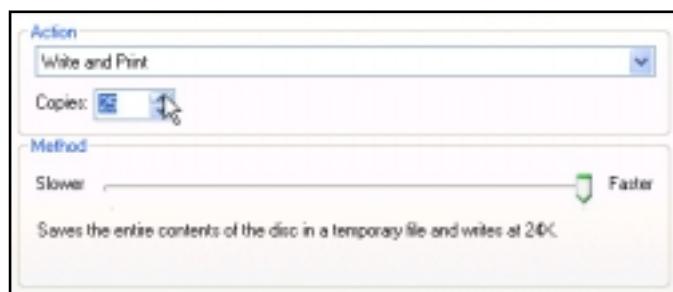
Screen of Start of a New Job

Important: Because DVD files are generally much larger than CD files, it will take longer for a DVD image to load to the hard drive.

- After you have selected **Copy CDs and DVDs from the same burner**, the panel pictured below will open. Go to the **Action** section in the upper right portion of the panel. In the pull down section, select **Write and Print**.



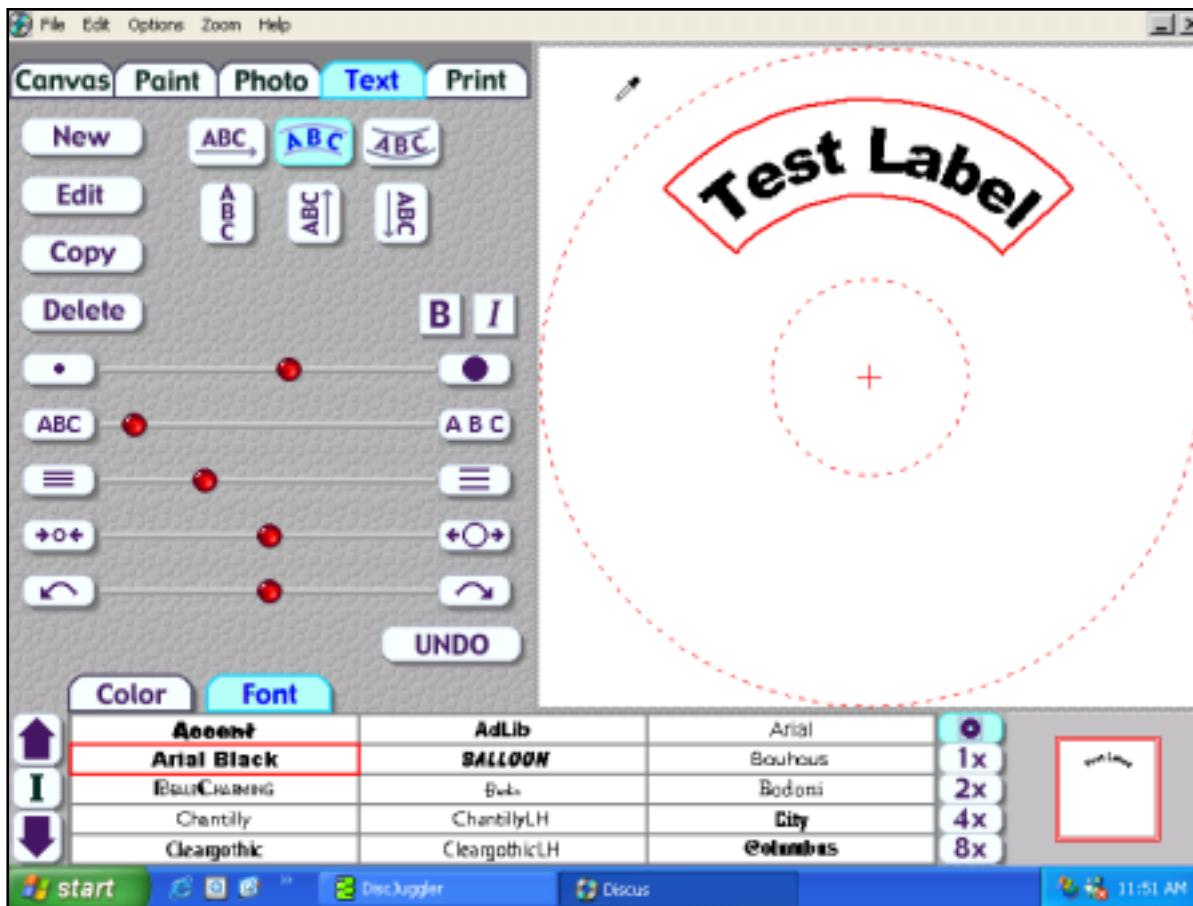
- Next, enter the number of copies or discs you want to produce in the Action section in the second field. In the illustration, 25 copies have been chosen for test purposes.



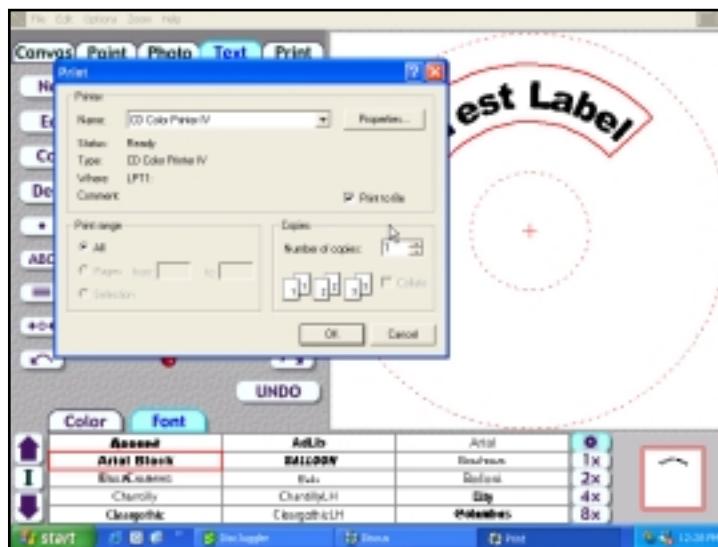
Step 8 Set On-disc Print Image (Label) for Media

The next step is to prepare a print image that can be used by the DiscJuggler software to print text or graphics on your CD-Rs or DVD-Rs. To do this, you will use the Discus labeling software provided with your ElitePro.

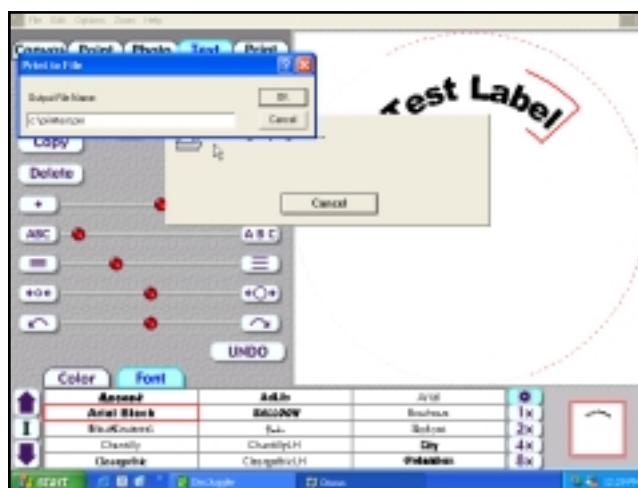
- Minimize the DiscJuggler screen and on the desktop, click on the **Discus** icon. The labeling software will open.
- Double click on the label type (CD Label).
- You will see a window similar to the illustration below. Click on the **Text** tab. Click the **New** button (below the **Canvas** tab) and type “Test Label.” Click the **OK** button. The text will appear in the center of the label.
- When you move the arrow over the text box, it will change to a hand. Left click and drag the text box to the top of the CD.
- You can change the font or enlarge the text with the options on the left side of the window.



- The DiscJuggler software uses *.prn files for printing. Choose **File / Print** from the menu bar. Examine the Printer name window for your printer. The default is the CD Color Printer IV. If you purchased the Autograph Pro printer, use the drop down arrow at the right of the printer window to change to the CD Color Printer Pro.
- Click the **Print to File** box (below the properties button), then click the **OK** button. The pop up window should match the screen below.



- You will see a pop up box titled **Print to File** with a window inside named **Output File Name**. Type **c:\printtest.prn**. Be sure to include the *.prn at the end of the file name. Click the **OK** button and the label in *.prn format will be generated and saved in the highest directory level of your C drive.

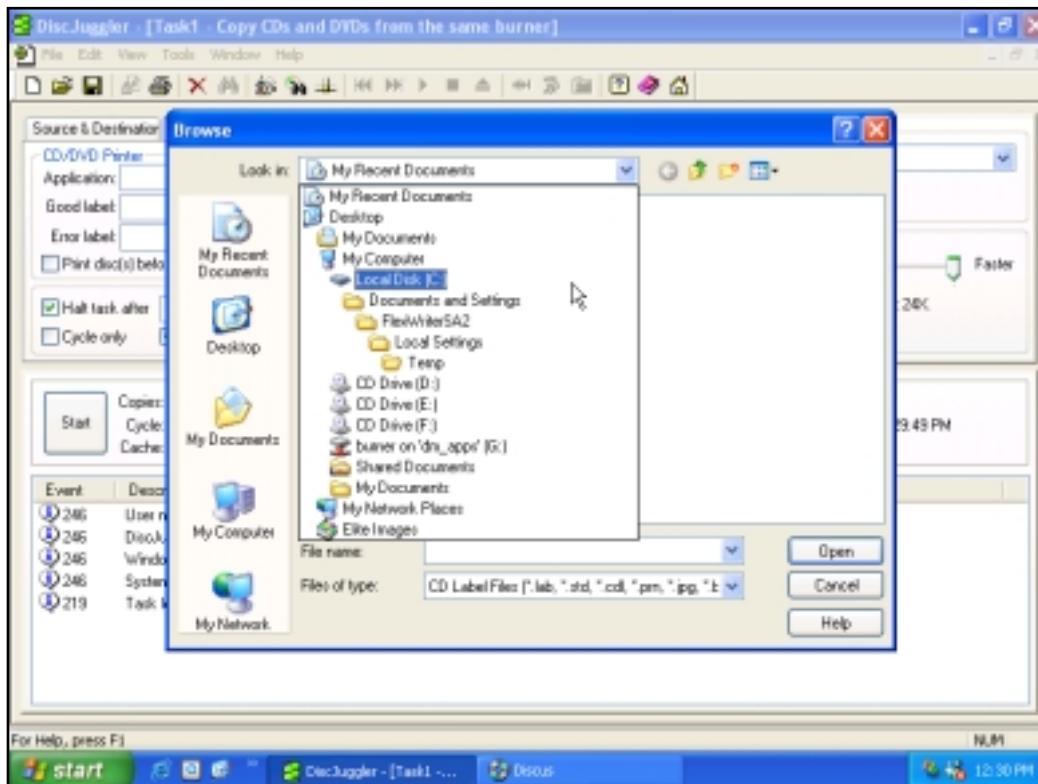


- Minimize the Discus LE software and maximize the DiscJuggler software.

Step 9 Set Print Image for DiscJuggler

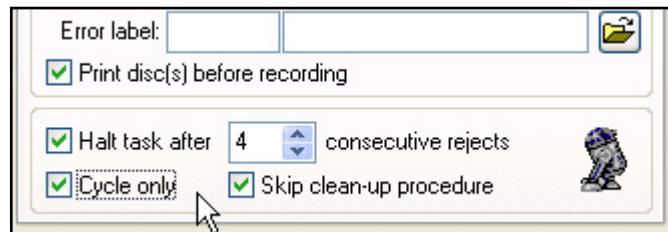
Now you have to provide the label print file location to the DiscJuggler.

- From the DiscJuggler screen choose the **Autoloader** tab on the upper left section.
- Go to the end of the **Good Label** field and click on the folder icon.
- Open the C:\ folder and choose the **printtest.prn** file (or the file name that you chose for the test run).
- Choose the **Open** option and DiscJuggler will place this file and location into the **Good Label** section.



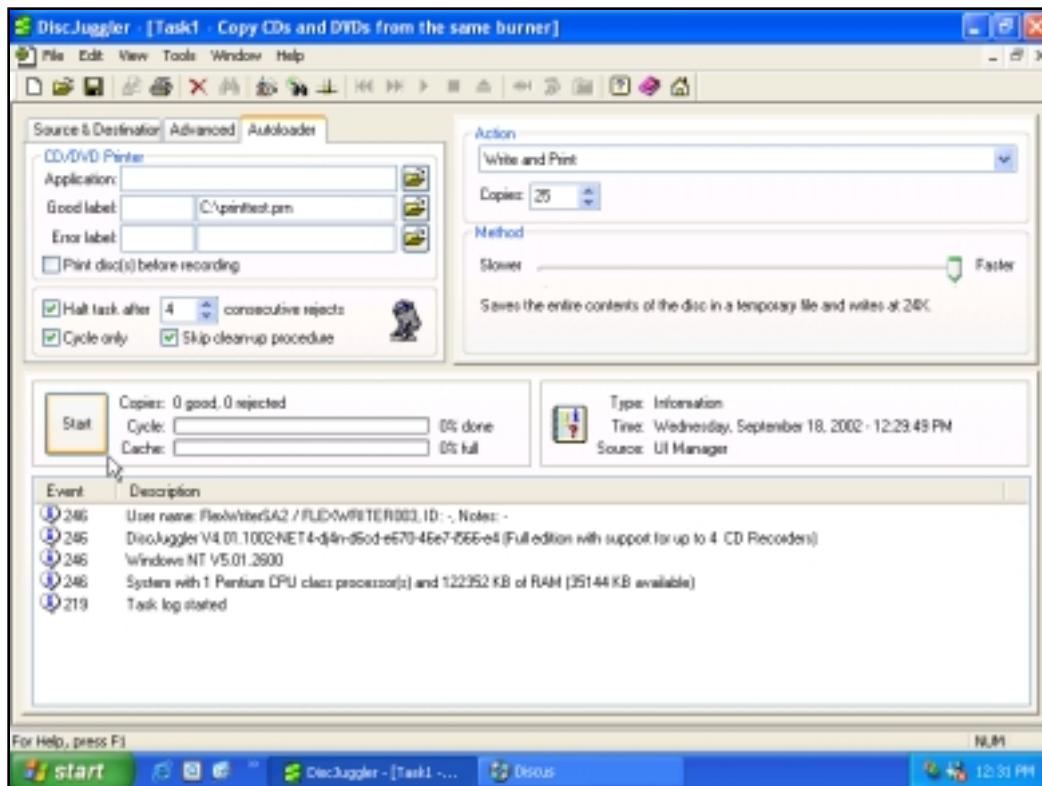
Step 10 Cycle Only Option

As an option, you can elect to "cycle only" and the software will not record onto the media. Printing will still occur, but the disc will not be recorded on. Check the **Cycle Only** box in the **Autoloader** section at the top left to skip recording.



Step 11 Start the Job

Click on the **Start** button in the center of the screen and the ElitePro will begin the duplication and printing process.



The CD pick arm will move to the input spindle, pick up the first CD (your master disc) and place it into the first drive. The data on the CD or DVD will be copied to the hard drive. Then the master disc will be removed from the drive and placed on the output spindle.

The pick arm will then pick up blank discs one at a time and insert them into the writer drive(s). The data from your master will be recorded onto the blank media.

The pick arm will remove the recorded disc from the drive and place it into the printer tray. After printing, the disc will be placed on the output spindle.

This cycle will continue until all copies are completed.

Troubleshooting the ElitePro

The ElitePro is comprised of four basic systems that work together. Generally any issues that come up can be isolated to one of the following components:

- PC System / Windows XP
- Loader Unit
- DiscJuggler software
- CD Printer / Discus LE Labeling software

If you have difficulty with any one of the four systems, you can run separate tests on each to verify and correct the problem:

- On the PC System, click on the **My Computer** icon and view the connected components. Verify that the CD-R/DVD-R drives are accessible.
- On the Loader Unit, if there is a problem, click on the **Loader Debug** icon. Enter a V and press return. The loader should display its name and version – for example, if you have an ElitePro2, the display will read "Elite-2 1.05." This indicates the loader is functioning. Close the Debug terminal program.
- Run the **DiscJuggler** and view the explorer. Are all the components shown – loader, drives, etc.? If not, check the PC and hardware connection. Access the DiscJuggler Help section for assistance in solving most problems with the CD-R software, or refer to the printed version of the DiscJuggler Manual that was included with this guide.

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